

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P446997 CJE	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/NZ01/00188	International filing date (day/month/year) 11 September 2001	(Earliest) Priority Date (day/month/year) 11 September 2000
Applicant NEW ZEALAND DAIRY BOARD et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report	
a.	With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. <input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
b.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: <input checked="" type="checkbox"/> contained in the international application in written form. <input type="checkbox"/> filed together with the international application in computer readable form. <input type="checkbox"/> furnished subsequently to this Authority in written form. <input type="checkbox"/> furnished subsequently to this Authority in computer readable form. <input type="checkbox"/> the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. <input checked="" type="checkbox"/> the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
2.	<input type="checkbox"/> Certain claims were found unsearchable (See Box I).
3.	<input type="checkbox"/> Unity of invention is lacking (See Box II).
4.	With regard to the title, <input checked="" type="checkbox"/> the text is approved as submitted by the applicant. <input type="checkbox"/> the text has been established by this Authority to read as follows:
5.	With regard to the abstract, <input checked="" type="checkbox"/> the text is approved as submitted by the applicant <input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6.	The figure of the drawings to be published with the abstract is Figure No. <input type="checkbox"/> as suggested by the applicant. <input checked="" type="checkbox"/> None of the figures <input type="checkbox"/> because the applicant failed to suggest a figure <input type="checkbox"/> because this figure better characterizes the invention

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ01/00188

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: A23J 3/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN (WPIDS;FSTA;CA):whey protein hydrolysate; SEQ ID NOS 1-8

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	WO 9965326, A1 (New Zealand Dairy Board) 23.12.99. See p3, Table 3; claims	1-34
X,Y	EP 269593, B1 (Albuglobe Aktiebolag) 04.03.92. See pp 1-3; Examples; claims	1-14;
X	WO 9221248, A1 (Danmark Protein A/S) (10.12.92). see p1; claims	1-14

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

3 December 2001

Name and mailing address of the ISA/AU

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## INTERNATIONAL SEARCH REPORT

Internati nal applicati n N .  
PCT/NZ01/00188

DOCUMENTS CONSIDERED TO BE RELEVANT		
C (Continuation).		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9324020, A1 (Novo Nordisk A/S) 09.12.93. See p 2; claims	1-14
X	US 5952193, A (Shimamura et al) 14.09.99; page 14; Examples; claims	1-14
X	WO 9304593, A1 (Teagasc, The Agriculture and food Development Authority) 18.03.93. See p 22; Examples; claims	1-14
Y	WO 9113554, A1 (Novo Nordisk A/S) 19.09.91.	1-14
X	JP 10033115 A (Nouchikusangiyon Shinko Jigyodan; Zenkoku Nokyo Nyugyo Plant Kyokai); abstract	1-14
X	Int Dairy J 6, pp 285-94 (1996) Castro et al "Proteolysis of whey proteins by a <i>Bacillus subtilis</i> enzyme preparation"	1-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/NZ01/00188

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
WO	9965326	AU	45359/99	EP	1087668	NO	20006305
EP	269593	AU	81278/87	CA	1334635	DK	6168/87
		FI	875192	JP	63160555	NO	874899
		NZ	222592	SE	8605045	US	4847096
WO	9221248	AU	18827/92	CA	2109584	EP	588841
		IE	921762	IL	102059	NO	934310
		NZ	242963	US	5691165		
WO	9324020	AU	43099/93	EP	642307	NZ	253019
US	5952193	AU	36738/95	AU	63603/98	EP	799577
		JP	8112063	NZ	294046	WO	9611584
		JP	8112064	JP	8140693		
WO	9304593	AU	24682/92	EP	604467	IE	913057
		IE	922622	NZ	244157		
WO	9113554	EP	518999	US	5866357	EP	647276
		US	5523237	WO	9213964	AU	26799/97
		BG	102948	BR	9708859	CZ	9803408
		EE	9800353	EP	900207	HR	970211
		NO	984928	PL	329441	SK	1453/98
		WO	9740024				
END OF ANNEX							